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## IMS Database Application Programming

**Duration: 3 Days**    **Course Code: CM17G**

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### Overview:

Learn how to write application programs that use Data Language One (DL/I) to process Information Management System (IMS) databases.

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### Target Audience:

This is an intermediate course for individuals who write programs in Common Business Oriented Language (COBOL), or Programming Language One (PL/I), or Assembler language using DL/I to navigate through an process IMS databases.

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### Objectives:

- Describe the basic differences between files and IMS databases as they relate to application program coding and logic
  - Use the IMS Test Program to prototype application program calls, and to perform ad-hoc read and update access to an IMS database
  - Describe the terms and processing characteristics of IMS hierarchic data structures
  - Describe the applications and uses of other DL/I features
  - Construct DL/I calls for either COBOL or PL/I language programs
  - Program for recovery and restart using DL/I calls to establish synchronization points
  - Write, test and debug a batch application program that uses the DL/I call functions
  - Describe the functions provided by High Availability Large Database (HALDB), and any program differences when accessing a Full Function database or a HALDB
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### Prerequisites:

You should complete:

- IMS Fundamentals (CM010) or IMS Fundamentals - Web - ILO(CMW01) and a COBOL or PL/I language course, or be able to:
    - List the basic components of the IMS database system
    - Construct a non-DL/I application program in COBOL or PL/I
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- Programming Standards
- High Availability Large Database (HALDB) Access

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### Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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